Dome, Front

UNLESS OTHERWISE SPECIFIED:

SCALE: 1:4
WEIGHT:

REVDWG. NO.
SIZE
TITLE:
NAME DATE
COMMENTS:
Q.A.
MFG APPR.
ENG APPR.
CHECKED
DRAWN
PAINT PER SHEET 2
FINISH
MATERIAL
THREE PLACE DECIMAL TOLERANCING PER:
INTERPRET GEOMETRIC

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL
ANGULAR: MACH .5 BEND
TWO PLACE DECIMAL

Deburr and break sharp edges .005 min. surface ifnish 125 or better unless noted

SECTION B-B
SCALE 1 : 5

2-8

1.25±.25, 3 PLC'S

M.I.T Kavli Institute for Astrophysics & Space Research

for Astrophysics & Space Research

ADD PAINT/ANODIZE SHEET 2.

REVISIONS
ZONE REV. DESCRIPTION DATE
02 APPROVED
01 INITIAL RELEASE 7/11/08

ITEM NO. PART NUMBER DESCRIPTION VENDOR QTY.
1 1" PL x 39" O.D. x 32" I.D. Aluminum 6061 T6 1
2 ASME Dish Head, 33" I.D. 3/4" Th., 5052 Aluminum AMS Industries 1
3 33-20103.04 HANDLE 3

Surface finish inside dome to be 16 micro-inches or better prior to welding.

3. DEBURR AND BREAK SHARP EDGES.
4. STRESS RELIEVE PRIOR TO MACHINING.
5. PART TO BE CLEANED PER VENDORS STANDARD CLEANING PROCESS. PART TO BE CLEAN AND FREE OF OIL, OILS, FINGERPRINTS AND PARTICULATES. 6. VENDOR TO FABRICATE FIND NO 1 AND 3. THE DIMENSIONS FOR FIND NO 1 ARE PER THIS DRAWING. 7. MASK, PRIME AND PAINT PER SHEET 2.
NOTES: PAINTING

- Mask holes as shown.
- Mask as shown.
- Paint with P123 Primer and Paint with AEROGLAZE Z306 Black per ECSS-Q-70-25A or equivalent. The Acceptance Criteria Section 6 (except for adhesion testing) and the Quality Assurance Section 7 is not applicable. Test samples shall be used for adhesion testing as specified by SODAQ 1213 or equivalent and supplied to MIT.
- Painting or masking of chamfer is optional.